

Table 6. Total Electricity Sales, Actual vs. Forecast

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
(billion kilowatt-hours)													
AEO82	2364	2454	2534	2626	2708	2811							
AEO83	2318	2395	2476	2565	2650	2739					3153		
AEO84	2321	2376	2461	2551	2637	2738					3182		
AEO85	2317	2360	2427	2491	2570	2651	2730	2808	2879	2949	3026		
AEO86		2363	2416	2479	2533	2608	2706	2798	2883	2966	3048	3116	3185
AEO87			2460	2494	2555	2622	2683	2748	2823	2902	2977		
AEO89				2556	2619	2689	2760	2835	2917	2994	3072	3156	3236
AEO90					2612	2689					3083		
AEO91						2700	2762	2806	2855	2904	2959	3022	3088
AEO92							2746	2845	2858	2913	2975	3030	3087
AEO93								2803	2840	2893	2946	2998	3052
AEO94									2843	2891	2928	2962	3004
AEO95										2951	2967	2983	3026
AEO96											2973	2998	3039
AEO97												3075	3115
AEO98													3106
AEO99													
AEO2000													
AEO2001													
AEO2002													
AEO2003													
Actual	2324	2369	2457	2578	2647	2713	2762	2763	2861	2935	3013	3101	3146
Average Absolute Error (Across AEOs)	14	27	29	54	53	52	31	47	23	32	66	79	78

* 2000 value does not include nonutility sales to end users (N/A)

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
(percent error)													
AEO82	1.7	3.6	3.1	1.9	2.3	3.6							
AEO83	-0.3	1.1	0.8	-0.5	0.1	1.0						4.6	
AEO84	-0.1	0.3	0.2	-1.0	-0.4	0.9						5.6	
AEO85	-0.3	-0.4	-1.2	-3.4	-2.9	-2.3	-1.2	1.6	0.6	0.5	0.4		
AEO86	-0.3	-1.7	-3.8	-4.3	-3.9	-2.0	-2.0	1.3	0.8	1.1	1.2	0.5	1.2
AEO87		0.1	-3.3	-3.5	-3.4	-2.9	-0.5	-1.3	-1.1	-1.1	-1.2		
AEO89			-0.9	-1.1	-0.9	-0.1	2.6	2.0	2.0	2.0	2.0	1.8	2.9
AEO90				-1.3	-0.9							2.3	
AEO91					-0.5	0.0	1.6	-0.2	-1.1	-1.8	-2.5	-1.8	
AEO92						-0.6	3.0	-0.1	-0.7	-1.3	-2.3	-1.9	
AEO93							1.4	-0.7	-1.4	-2.2	-3.3	-3.0	
AEO94								-0.6	-1.5	-2.8	-4.5	-4.5	
AEO95									0.5	-1.5	-3.8	-3.8	
AEO96										-1.3	-3.3	-3.4	
AEO97											-0.8	-1.0	
AEO98												-1.3	
AEO99													
AEO2000													
AEO2001													
AEO2002													
AEO2003													
Average Absolute Percent Error (Across AEOs)	0.6	1.1	1.2	2.1	2.0	1.9	1.1	1.7	0.8	1.1	2.2	2.5	2.5

Table 6. Total Electricity Sales, Actual vs. Forecast

	1998	1999	2000	2001	2002	1985	1986	1987	1988	1989	1990	1991	1992
	Absolute Forecasting Errors as Compared to Actual Historical Figures												
AEO82						40.0	85.0	77.0	48.0	61.0	98.0		
AEO83						6.0	26.0	19.0	13.0	3.0	26.0		
AEO84						3.0	7.0	4.0	27.0	10.0	25.0		
AEO85						7.0	9.0	30.0	87.0	77.0	62.0	32.0	45.0
AEO86	3255	3324	3397				6.0	41.0	99.0	114.0	105.0	56.0	35.0
AEO87			3363					3.0	84.0	92.0	91.0	79.0	15.0
AEO89	3313	3394	3473						22.0	28.0	24.0	2.0	72.0
AEO90			3488							35.0	24.0		
AEO91	3151	3214	3282	3355	3427						13.0	0.0	43.0
AEO92	3146	3209	3276	3345	3415							16.0	82.0
AEO93	3104	3157	3214	3271	3327								40.0
AEO94	3039	3071	3112	3148	3185								
AEO95	3058	3085	3108	3134	3166								
AEO96	3074	3106	3137	3173	3215								
AEO97	3168	3229	3290	3328	3379								
AEO98	3204	3255	3318	3388	3438								
AEO99	3205	3262	3333	3402	3454								
AEO200C		3288	3360	3402	3461								
AEO2001			3364	3440	3530								
AEO2002				3443	3502								
AEO2003					3414								
Actual	3264	3312	3421	3370	3475								
Average Absolute Error (Across AEOs)	117	112	147	88	70								
	1998	1999	2000	2001	2002	1985	1986	1987	1988	1989	1990	1991	1992
	(absolute percent error)												
AEO82						1.7	3.6	3.1	1.9	2.3	3.6		
AEO83						0.3	1.1	0.8	0.5	0.1	1.0		
AEO84						0.1	0.3	0.2	1.0	0.4	0.9		
AEO85						0.3	0.4	1.2	3.4	2.9	2.3	1.2	1.6
AEO86	-0.3	0.4	-0.7				0.3	1.7	3.8	4.3	3.9	2.0	1.3
AEO87			-1.7					0.1	3.3	3.5	3.4	2.9	0.5
AEO89	1.5	2.5	1.5						0.9	1.1	0.9	0.1	2.6
AEO90			2.0							1.3	0.9		
AEO91	-3.5	-3.0	-4.1	-0.4	-1.4						0.5	0.0	1.6
AEO92	-3.6	-3.1	-4.2	-0.7	-1.7							0.6	3.0
AEO93	-4.9	-4.7	-6.1	-2.9	-4.3								1.4
AEO94	-6.9	-7.3	-9.0	-6.6	-8.3								
AEO95	-6.3	-6.9	-9.1	-7.0	-8.9								
AEO96	-5.8	-6.2	-8.3	-5.8	-7.5								
AEO97	-2.9	-2.5	-3.8	-1.2	-2.8								
AEO98	-1.8	-1.7	-3.0	0.5	-1.1								
AEO99	-1.8	-1.5	-2.6	0.9	-0.6								
AEO200C		-0.7	-1.8	0.9	-0.4								
AEO2001			-1.7	2.1	1.6								
AEO2002				2.2	0.8								
AEO2003					-1.8								
Average Absolute Percent Error (Across AEOs)	3.6	3.4	4.2	2.6	3.2								

Table 6. Total Electricity Sales, Actual vs. Forecast

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	Average Absolute Error (Across Years)
AEO82											68.2
AEO83			140.0								33.3
AEO84			169.0								35.0
AEO85	18.0	14.0	13.0								35.8
AEO86	22.0	31.0	35.0	15.0	39.0	9.0	12.0	24.0			42.9
AEO87	38.0	33.0	36.0								52.3
AEO89	56.0	59.0	59.0	55.0	90.0	49.0	82.0	52.0			50.0
AEO90			70.0								43.0
AEO91	6.0	31.0	54.0	79.0	58.0	113.0	98.0	139.0	15.0	48	53.6
AEO92	3.0	22.0	38.0	71.0	59.0	118.0	103.0	145.0	25.0	60	61.8
AEO93	21.0	42.0	67.0	103.0	94.0	160.0	155.0	207.0	99.0	148	103.3
AEO94	18.0	44.0	85.0	139.0	142.0	225.0	241.0	309.0	222.0	290	171.5
AEO95		16.0	46.0	118.0	120.0	206.0	227.0	313.0	236.0	309	176.8
AEO96			40.0	103.0	107.0	190.0	206.0	284.0	197.0	260	173.4
AEO97				26.0	31.0	96.0	83.0	131.0	42.0	96	72.1
AEO98					40.0	60.0	57.0	103.0	18.0	37	52.5
AEO99						59.0	50.0	88.0	32.0	21	50.0
AEO2000							24.0	61.0	32.0	14	32.8
AEO2001								57.2	69.7	55	61
AEO2002									73.3	27	50
AEO2003										61	61
Actual											
Average Absolute Error (Across AEOs)											74.0

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	Average Absolute Percent Error
AEO82											2.7
AEO83			4.6								1.2
AEO84			5.6								1.2
AEO85	0.6	0.5	0.4								1.3
AEO86	0.8	1.1	1.2	0.5	1.2	0.3	0.4				1.6
AEO87	1.3	1.1	1.2					1.7			1.9
AEO89	2.0	2.0	2.0	1.8	2.9	1.5	2.5	1.5			1.7
AEO90			2.3					2.0			1.6
AEO91	0.2	1.1	1.8	2.5	1.8	3.5	3.0	4.1	0.4	1.4	1.7
AEO92	0.1	0.7	1.3	2.3	1.9	3.6	3.1	4.2	0.7	1.7	1.9
AEO93	0.7	1.4	2.2	3.3	3.0	4.9	4.7	6.1	2.9	4.3	3.2
AEO94	0.6	1.5	2.8	4.5	4.5	6.9	7.3	9.0	6.6	8.3	5.2
AEO95		0.5	1.5	3.8	3.8	6.3	6.9	9.1	7.0	8.9	5.3
AEO96			1.3	3.3	3.4	5.8	6.2	8.3	5.8	7.5	5.2
AEO97				0.8	1.0	2.9	2.5	3.8	1.2	2.8	2.2
AEO98					1.3	1.8	1.7	3.0	0.5	1.1	1.6
AEO99						1.8	1.5	2.6	0.9	0.6	1.5
AEO2000							0.7	1.8	0.9	0.4	1.0
AEO2001								1.7	2.1	1.6	1.8
AEO2002									2.2	0.8	1.5
AEO2003										1.8	1.8

Average Absolute Percent Error (Across AEOs)	2.4
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